

Nolan

1816
#13
[Signature]

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/716,169B

DATE: 06/27/97
TIME: 13:50:01
6/30/97

INPUT SET: S18663.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4 (i) APPLICANT: ANDERTON, STEPHEN MARK
5 VAN DER ZEE, RUURD
6 VAN EDEN, WILLEM
7 (ii) TITLE OF INVENTION: PEPTIDE FRAGMENTS OF MICROBIAL STRESS
8 PROTEINS AND PHARMACEUTICAL COMPOSITION MADE THEREOF FOR THE
9 TREATMENT AND PREVENTION OF INFLAMMATORY DISEASES
10 (iii) NUMBER OF SEQUENCES: 6
11 (iv) CORRESPONDENCE ADDRESS:
12 (A) ADDRESSEE: THE WEBB LAW FIRM
13 (B) STREET: 700 KOPPERS BUILDING, 436 SEVENTH AVENUE
14 (C) CITY: PITTSBURGH
15 (D) STATE: PENNSYLVANIA
16 (E) COUNTRY: UNITED STATES OF AMERICA
17 (F) ZIP: 15219-1818
18 (v) COMPUTER READABLE FORM:
19 (A) MEDIUM TYPE: 3.5" FLOPPY DISK
20 (B) COMPUTER: DIGITAL VENTURIS GL 6200
21 (C) OPERATING SYSTEM: DOS
22 (D) SOFTWARE: MICROSOFT WORD 2.0C
23 (vi) CURRENT APPLICATION DATA:
24 (A) APPLICATION NUMBER: 08/716,169
25 (B) FILING DATE: 18-SEP-1996
26 (C) CLASSIFICATION:
27 (vii) PRIOR APPLICATION DATA:
28 (A) APPLICATION NUMBER: PCT/NL95/00108
29 (B) FILING DATE: 21-MAR-1995
30 (2) INFORMATION FOR SEQ ID NO: 1:
31 (i) SEQUENCE CHARACTERISTICS:
32 (A) LENGTH: 540
33 (B) TYPE: AMINO ACID
34 (C) STRANDEDNESS: SINGLE
35 (D) TOPOLOGY: UNKNOWN
36 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
37 Met Ala Lys Thr Ile Ala Tyr Asp Glu Glu Ala Arg Arg Gly Leu
38 1 5 10 15
39
40 Glu Arg Gly Leu Asn Ala Leu Ala Asp Ala Val Lys Val Thr Leu
41 20 25 30
42
43 Gly Pro Lys Gly Arg Asn Val Val Leu Glu Lys Lys Trp Gly Ala
44 35 40 45
45
46 Pro Thr Ile Thr Asn Asp Gly Val Ser Ile Ala Lys Glu Ile Glu

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/716,169BDATE: 06/27/97
TIME: 13:50:03

INPUT SET: S18663.raw

47	50	55	60
48			
49	L u Glu Asp Pro Tyr Glu Lys Ile Gly Ala Glu Leu Val Lys Glu		
50	65	70	75
51			
52	Val Ala Lys Lys Thr Asp Asp Val Ala Gly Asp Gly Thr Thr Thr		
53	80	85	90
54			
55	Ala Thr Val Leu Ala Gln Ala Leu Val Arg Glu Gly Leu Arg Asn		
56	95	100	105
57			
58	Val Ala Ala Gly Ala Asn Pro Leu Gly Val Lys Arg Gly Ile Glu		
59	110	115	120
60			
61	Lys Ala Val Glu Lys Val Thr Glu Thr Leu Leu Lys Gly Ala Lys		
62	125	130	135
63			
64	Glu Val Glu Thr Lys Glu Gln Ile Ala Ala Thr Ala Ala Ile Ser		
65	140	145	150
66			
67	Ala Gly Asp Gln Ser Ile Gly Asp Leu Ile Ala Glu Ala Met Asp		
68	155	160	165
69			
70	Lys Val Gly Asn Glu Gly Val Ile Thr Val Glu Glu Ser Asn Thr		
71	170	175	180
72			
73	Phe Gly Leu Gln Leu Glu Leu Thr Glu Gly Met Arg Phe Asp Lys		
74	185	190	195
75			
76	Gly Tyr Ile Ser Gly Tyr Phe Val Thr Asp Pro Glu Arg Gln Glu		
77	200	205	210
78			
79	Ala Val Leu Glu Asp Pro Tyr Ile Leu Leu Val Ser Ser Lys Val		
80	215	220	225
81			
82	Ser Thr Val Lys Asp Leu Leu Pro Leu Leu Glu Lys Val Ile Gly		
83	230	235	240
84			
85	Ala Gly Lys Pro Leu Leu Ile Ile Ala Glu Asp Val Glu Gly Glu		
86	245	250	255
87			
88	Ala Leu Ser Thr Leu Val Val Asn Lys Ile Arg Gly Thr Phe Lys		
89	260	265	270
90			
91	Ser Val Ala Val Lys Ala Pro Gly Phe Gly Asp Arg Arg Lys Ala		
92	275	280	285
93			
94	Met Leu Gln Asp Met Ala Ile Leu Thr Gly Gly Gln Val Ile Ser		
95	290	295	300
96			
97	Glu Glu Val Gly Leu Thr Leu Glu Asn Ala Asp Leu Ser Leu Leu		
98	305	310	315
99			

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/716,169BDATE: 06/27/97
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INPUT SET: S18663.raw

100 Gly Lys Ala Arg Lys Val Val Val Thr Lys Asp Glu Thr Thr Ile
101 320 325 330
102
103 Val Glu Gly Ala Gly Asp Thr Asp Ala Ile Ala Gly Arg Val Ala
104 335 340 345
105
106 Gln Ile Arg Gln Glu Ile Glu Asn Ser Asp Ser Asp Tyr Asp Arg
107 350 355 360
108
109 Glu Lys Leu Gln Glu Arg Leu Ala Lys Leu Ala Gly Gly Val Ala
110 365 370 375
111
112 Val Ile Lys Ala Gly Ala Ala Thr Glu Val Glu Leu Lys Glu Arg
113 380 385 390
114
115 Lys His Arg Ile Glu Asp Ala Val Arg Asn Ala Lys Ala Ala Val
116 395 400 405
117
118 Glu Glu Gly Ile Val Ala Gly Gly Val Thr Leu Leu Gln Ala
119 410 415 420
120
121 Ala Pro Thr Leu Asp Glu Leu Lys Leu Glu Gly Asp Glu Ala Thr
122 425 430 435
123
124 Gly Ala Asn Ile Val Lys Val Ala Leu Glu Ala Pro Leu Lys Gln
125 440 445 450
126
127 Ile Ala Phe Asn Ser Gly Leu Glu Pro Gly Val Val Ala Glu Lys
128 455 460 465
129
130 Val Arg Asn Leu Pro Ala Gly His Gly Leu Asn Ala Gln Thr Gly
131 470 475 480
132
133 Val Lys Glu Asp Leu Leu Ala Ala Gly Val Ala Asp Pro Val Lys
134 485 490 495
135
136 Val Thr Arg Ser Ala Leu Gln Asn Ala Ala Ser Ile Ala Gly Leu
137 500 505 510
138
139 Phe Leu Thr Thr Glu Ala Val Val Ala Asp Lys Pro Glu Lys Glu
140 515 520 525
141
142 Lys Ala Ser Val Pro Gly Gly Asp Met Gly Gly Met Asp Phe
143 530 535 540
144
145 (2) INFORMATION FOR SEQ ID NO: 2:
146 (i) SEQUENCE CHARACTERISTICS:
147 (A) LENGTH: 333
148 (B) TYPE: AMINO ACID
149 (C) STRANDEDNESS: SINGLE
150 (D) TOPOLOGY: UNKNOWN
151 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
152 Ala Val Lys Val Gly Ile Asn Gly Phe Gly Arg Ile Gly Arg Asn

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/716,169BDATE: 06/27/97
TIME: 13:50:07

INPUT SET: S18663.raw

153	1	5	10	15
154				
155	Val Phe Arg Ala Ala Leu Lys Asn Pro Asp Ile Glu Val Val Ala	20	25	30
156				
157				
158	Val Asn Asp Leu Thr Asp Ala Asn Thr Leu Ala His Leu Leu Lys	35	40	45
159				
160				
161	Tyr Asp Ser Val His Gly Arg Leu Asp Ala Glu Val Ser Val Asn	50	55	60
162				
163				
164	Gly Asn Asn Leu Val Val Asn Gly Lys Glu Ile Ile Val Lys Ala	65	70	75
165				
166				
167	Glu Arg Asp Pro Glu Asn Leu Ala Trp Gly Glu Ile Gly Val Asp	80	85	90
168				
169				
170	Ile Val Val Glu Ser Thr Gly Arg Phe Thr Lys Arg Glu Asp Ala	95	100	105
171				
172				
173	Ala Lys His Leu Glu Ala Gly Ala Lys Lys Val Ile Ile Ser Ala	110	115	120
174				
175				
176	Pro Ala Lys Asn Glu Asp Ile Thr Ile Val Met Gly Val Asn Gln	125	130	135
177				
178				
179	Asp Lys Tyr Asp Pro Lys Ala His His Val Ile Ser Asn Ala Ser	140	145	150
180				
181				
182	Cys Thr Thr Asn Cys Leu Ala Pro Phe Ala Lys Val Leu His Glu	155	160	165
183				
184				
185	Gln Phe Gly Ile Val Arg Gly Met Met Thr Thr Val His Ser Tyr	170	175	180
186				
187				
188	Thr Asn Asp Gln Arg Ile Leu Asp Leu Pro His Lys Asp Leu Arg	185	190	195
189				
190				
191	Arg Ala Arg Ala Ala Ala Glu Ser Ile Ile Pro Thr Thr Thr Gly	200	205	210
192				
193				
194	Ala Ala Lys Ala Val Ala Leu Val Leu Pro Glu Leu Lys Gly Lys	215	220	225
195				
196				
197	Leu Asn Gly Met Ala Met Arg Val Pro Thr Pro Asn Val Ser Val	230	235	240
198				
199				
200	Val Asp Leu Val Ala Glu Leu Glu Lys Glu Val Thr Val Glu Glu	245	250	255
201				
202				
203	Val Asn Ala Ala Leu Lys Ala Ala Ala Glu Gly Glu Leu Lys Gly	260	265	270
204				
205				

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/716,169BDATE: 06/27/97
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206 Ile Leu Ala Tyr Ser Glu Glu Pro Leu Val Ser Arg Asp Tyr Asn
207 275 280 285
208
209 Gly Ser Thr Val Ser Ser Thr Ile Asp Ala Leu Ser Thr Met Val
210 290 295 300
211
212 Ile Asp Gly Lys Met Val Lys Val Val Ser Trp Tyr Asp Asn Glu
213 305 310 315
214
215 Thr Gly Tyr Ser His Arg Val Val Asp Leu Ala Ala Tyr Ile Ala
216 320 325 330
217
218 Ser Lys Gly
219
220 (2) INFORMATION FOR SEQ ID NO: 3:
221 (i) SEQUENCE CHARACTERISTICS:
222 (A) LENGTH: 332
223 (B) TYPE: AMINO ACID
224 (C) STRANDEDNESS: SINGLE
225 (D) TOPOLOGY: UNKNOWN
226 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
227 Val Lys Val Gly Val Asn Gly Phe Gly Arg Ile Gly Arg Leu Val
228 1 5 10 15
229
230 Thr Arg Ala Ala Phe Ser Cys Asp Lys Val Asp Ile Val Ala Ile
231 20 25 30
232
233 Asn Asp Pro Phe Ile Asp Leu Asn Tyr Met Val Tyr Met Phe Gln
234 35 40 45
235
236 Tyr Asp Ser Thr His Gly Lys Phe Asn Gly Thr Val Lys Ala Glu
237 50 55 60
238
239 Asn Gly Lys Leu Val Ile Asn Gly Lys Pro Ile Thr Ile Phe Gln
240 65 70 75
241
242 Glu Arg Asp Pro Val Lys Ile Lys Trp Gly Asp Ala Gly Ala Glu
243 80 85 90
244
245 Tyr Val Val Glu Ser Thr Gly Val Phe Thr Thr Met Glu Lys Ala
246 95 100 105
247
248 Gly Ala His Leu Lys Gly Gly Ala Lys Arg Val Ile Ile Ser Ala
249 110 115 120
250
251 Pro Ser Ala Asp Ala Pro Met Phe Val Met Gly Val Asn His Glu
252 • 125 130 135
253
254 Lys Tyr Asp Asn Ser Leu Lys Ile Val Ser Asn Ala Ser Cys Thr
255 140 145 150
256
257 Thr Asn Cys Leu Ala Pro Leu Ala Lys Val Ile His Asp Asn Phe
258 155 160 165

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**SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/716,169B**

DATE: 06/27/97
TIME: 13:50:12

INPUT SET: S18663.raw

Line

Error

Original Text